70 SERIES THERMOSTATS

70 SERIES HEAT PUMP – SINGLE STAGE THERMOSTATS
Residential Single Stage and Heat Pump Applications.
70 Series are the Perfect Upgrade from Mechanical Thermostats.
Covers Wall Marks Left by Most Mechanical Thermostats the Need for an Extra Wall Plate

FEATURES
• Fossil fuel or electric compatible.
• Large LCD with backlight.
• Selectable Celsius or Fahrenheit temperature display.
• Includes B/O terminals.
• Electronic accuracy.

SPECIFICATIONS
Electrical Rating:
Hardwire................................. 20 to 30 VAC, NEC Class II, 50/60 Hz
Battery Power ............................ 20 to 30 VAC, NEC Class II
Terminal Load ......................... 1.0 A per terminal,
1.5 A maximum all terminals combined
Setpoint Range ...................... 45 to 90°F (7 to 32°C)
Rated Differentials - Single Stage Models: Fast Slow
Heat (Single Stage) .................. 0.8°F 1.5°F
Cool (Single Stage) Fixed ........... 1.2°F
Heat Pump ............................. 1.2°F 1.5°F
Aux./Emer. Heat...................... 0.8°F 1.2°F
Operating Ambient .................. 32 to +105°F (0 to +41°C)
Operating Humidity .................. 90% non-condensing max.
Shipping Temperature Range ...... -4 to +150°F (-20 to 65°C)
Dimensions ......................... 3⅜"H x 5⅜"W x 1⅛"D – (1F78)
5⅜"H x 3⅜"W x 1⅛"D – (1E78)

PARTS AND ACCESSORIES  See end of thermostats section for additional parts and accessories
• F61-2510 — Wallplate for 1F models with adaptor for horizontal or vertical junction box 6⅝"W x 4⅝"H
• F61-2593 — Wallplate for 1D70, 1E70 models with adaptor for horizontal or vertical junction box 4⅝"W x 6⅝"H
• Thermostat Guards — see pages 34–35
### HEAT PUMP THERMOSTATS – 70 SERIES THERMOSTATS

<table>
<thead>
<tr>
<th>Stages Heat/Cool by System</th>
<th>Program Options</th>
<th>Model Number</th>
<th>Gas / Oil / Electric</th>
<th>3 Wire Zone Valve</th>
<th>Millivolt Compatible</th>
<th>Humidity Control</th>
<th>Programmable Fan</th>
<th>Auto Changeover</th>
<th>Energy Mgt. Recovery</th>
<th>Keypad Lockout</th>
<th>Programmable Set-Point</th>
<th>Comfort and Convenience Features</th>
<th>terminals</th>
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<tr>
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<td>(H)-Humidity / (D)-Dehumidify</td>
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* H = Hardwired (Requires Common)  
B = Battery Powered

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<td>P RC,RH W YO B G</td>
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** Technical Help **

1E78-151 ........................................Wiring Diagrams/Configuration........ See page 162
1F72-151 / 1F79-111 ...............Wiring Diagrams/Configuration........ See page 163
1F78-144 / 1F78-151 ...............Wiring Diagrams/Configuration........ See page 164

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